

# THE CYPRUS INSTITUTE CAREERS



## ABOUT THE CYPRUS INSTITUTE

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The Cyprus Institute (Cyl) ([www.cyi.ac.cy](http://www.cyi.ac.cy)) is a non-profit research and education institution with a regional focus and a strong international profile. As a European institution for the Eastern Mediterranean based in Cyprus, the Cyl focuses on advancing prosperity in the region through Science, Technology and Innovation. Its Board of Trustees comprises world-renown scientists and prominent political and entrepreneurial opinion-leaders.

Cyl carries out pioneering research programs involving cutting-edge high throughput technologies, and provides training for the next generations of researchers and scientists through its high quality post-graduate programs. The Institute operates on a novel philosophy that combines interdisciplinary research, education, and innovation, and leverages cutting-edge infrastructures and technology to deliver on par with world-class standards of excellence.

Research at the Institute is carried out in four cross-disciplinary Centers:

**Climate and Atmosphere Research Center (CARE-C)**, a knowledge hub for environmental and climate change research and sustainable solutions, addressing the societal challenges of Cyprus and the Eastern Mediterranean and Middle East region.

**Computation-based Science and Technology Research Center (CaSToRC)**, that pursues research in computational sciences and is developed in close collaboration with the National Center of Super Computing Applications of the University of Illinois and the Jülich Supercomputing Center (JFZ).

**Energy, Environment and Water Research Center (EEWRC)**, focusing on societally relevant issues of Energy & Renewables, Water and Natural Resources, in close collaboration with the Massachusetts Institute of Technology, the Cyprus Research Promotion Foundation, and regional institutions.

**Science and Technology in Archaeology Research Center (STARC)**, an identified regional hub of ESFRI Research Infrastructure in the context of E-RIHS strategy. E-RIHS leads research on heritage interpretation, preservation, documentation, communication and management.



The Cyl Campus in Nicosia, Cyprus.

## **ABOUT CARE - C**

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The Climate and Atmosphere Research Center (CARE-C) ([emme-care.cyi.ac.cy](http://emme-care.cyi.ac.cy)) is a regional Center of Excellence for environmental and climate change research. It was established in January 2020 in the framework of the European Commission Horizon-2020-TEAMING project “EMME-CARE” (Eastern Mediterranean and Middle East Climate and Atmosphere Research Center; Grant no. 856612), in cooperation with EU Advanced Partners Max Planck Institute for Chemistry in Germany; University of Helsinki in Finland; and French Alternative Energies and Atomic Energy Commission (CEA) in France.

CARE-C focuses on creating sustainable solutions to address relevant societal challenges in Cyprus and the wider Eastern Mediterranean and Middle East region (EMME), which is a climate change and air pollution “hotspot”. Accordingly, the Center’s research is focused in areas of Environmental Observations and Environmental Predictions in the EMME, including experimental and modelling activities on key climate drivers (reactive trace gases, aerosols, clouds, greenhouse gases), and addressing impacts on regional air pollution and climate.

## **REGIONAL FOCUS, GLOBAL REACH**

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The Center is a knowledge hub for environmental and climate change research, fostering the creation of sustainable solutions for the region and the planet. In addition to establishing a regional collaboration network, CARE-C also collaborates with leading international institutions such as its Advanced Partners, and is part of many international networks such as the WMO’s Global Atmospheric Watch, ACTRIS and ICOS. CARE-C’s research has also been embedded at the policy level through strong collaborations with Cyprus Government Departments, and the Center’s active role in the scientific component of the Cyprus Government’s Initiative for coordinating climate action in the East Mediterranean and Middle East region.

In line with the above, CARE-C also boasts a distinguished faculty with international profiles, including Prof. Jean Sciare, CARE-C’s Director and Head of the Environmental Observations Department; Prof. Jos Lelieveld, Head of CARE-C’s Environmental Predictions Department and Director at the Max Planck Institute for Chemistry; Prof. Michalis Vrekoussis, adjunct professor at the Cyprus Institute and tenured professor at the University of Bremen; and Prof. Nikos Mihalopoulos, Head of CARE-C’s Environmental Chemistry Lab and Director of the Institute for Environmental Research and Sustainable Development (IERSD) and Vice-President of the National Observatory of Athens (NOA). Further, CARE-C is supported by a Scientific Expert Panel of international experts, chaired by Dr. Michel Jarraud, Secretary-General Emeritus of the World Meteorological Organization (WMO).

### **CARE - C AT A GLANCE**



## **COMPETITIVE RESEARCH INFRASTRUCTURES**

CARE-C also takes advantage of cutting-edge environmental monitoring facilities, many of which are unique in the region. A comprehensive list of CARE-C's Research Infrastructure Units is outlined below:

**Atmosphere and Climate Data Center (DAC)**, aimed at providing open access to CARE-C observational data and related process chains and flows;

**Cyprus Atmospheric Observatory (CAO)**, located at a regional background site in Cyprus, the site provides high quality, long-term observations of key atmospheric pollutants relevant to air quality and climate change;

**Mobile Laboratory Unit (MoLa)**, complimentary to CAO, this unit allows CARE-C to perform intensive field studies of several weeks or months per year in Cyprus, the EMME region and beyond;

**Environmental Chamber (EC)**, a new Laboratory with the capacity to perform experiments under simulated environmental conditions to facilitate greater understanding of field observations;

**Environmental Chemistry Laboratory (ECL)**, for trace gases and aerosol analyses;

**Instrumentation Laboratory (IL) & NanoLab Facility**, dedicated to the development of miniaturized, lightweight and cost-effective instruments for measuring aerosol particles and gaseous pollutants;

**Unmanned Systems Research Laboratory (USRL)**, <https://usrl.cyi.ac.cy/>, with a fleet of unmanned aerial vehicles (UAVs) for atmospheric and earth surface observations that is unique to Cyprus and the region.



ET Cruiser, a fixed wing aircraft part of USRL's UAS fleet.



CAO facilities at Ayia Marina Xyliatou.

## **CARE-C EDUCATION**

CARE-C contributes to the accredited PhD program in Energy, Environment and Atmospheric Science, as well as the accredited and MSc/MPhil program in Environmental Sciences. CARE-C also offers trainings on climate change and weather forecasting, and hands-on practice on atmospheric instrumentation.

## **WORKING AT THE CYPRUS INSTITUTE**

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The Cyprus Institute (Cyl) is one of the leading multidisciplinary institutes in the Eastern Mediterranean and Middle East region, steadily growing its thriving community of prominent scientists, researchers and academics. There are many benefits to choosing a career at the Cyprus Institute:

### **Unique Opportunities**

Cyprus's unique geographical position provides access to an area abundant with research challenges and opportunities with significant regional and global impacts, that the Cyl community is uniquely placed to address. Along with making it attractive to funders, this also helps raise Cyl's and its faculty's profile.

### **State-of-the-art Facilities**

Cyl operates a number of exceptional facilities dedicated to multi-disciplinary research, many of which are unique to the region. These include an Unmanned Systems Research Laboratory, a regional climate data repository and the largest open access High Performance Computing facility in the region.

### **Inclusive Working Environment**

Cyl is a multicultural institution, where English is the working language, attracting staff from all over the world. The Institute values the strengths that an inclusive working environment provides so it has made it a priority to prevent discrimination and promote diversity and equality as an employer.

### **Exceptional Networks**

Cyl's research community is made out of an expanding network of international experts. Cyl also boasts an exceptional network of international partners, such as the Max Plank Institute for Chemistry and the Massachusetts Institute of Technology, and strong connections to global policy and entrepreneurial networks.

### **Solid Funding**

Cyl boasts an exceptional competitive funding track record, with contributions from Horizon 2020 grants amounting to almost 13 times the EU average. Recognizing the importance of Cyl's work for Cyprus and the region, the Institute also receives subsidies from the Cyprus Government.

### **Excellent Support Services**

Cyl offers a range of services to support researchers in their daily activities, including teams of dedicated research administrators, along with support services in HR, Finance, Operations and Communications. These, enable Cyl's academic community to focus on research, studies, teaching and innovation.

## **EMPLOYEE BENEFITS**

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Cyl offers a range of attractive employee benefits including competitive salary, life and medical insurance, provident fund, leaves (annual, business, sick-leave, emergency, unexpected), annual leave transferability, flexible work schemes, relocation support for internationally appointed candidates as well as dual careers support.



Researchers at work at Cyl's Instrumentation lab.

## **CAREER PROGRESSION**

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Cyl recognizes that its community is at the heart of what keeps the organization thriving and as such, it actively promotes career progression opportunities for all its employees. This is reflected by a number of policies and procedures that are in place to support progression for Research, Research Support and Administrative staff at all levels. Additionally, Cyl also offers various personal and professional development opportunities through funding internal and external trainings, with relevant Business Leave issued accordingly. Further, all employees are offered structured evaluation and performance management support to discuss their training needs and career progression at the Institute.



Working at Cyl's Environmental Chemistry Lab.

## **WORKING IN CYPRUS**

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International experts working at Cyl are also attracted by Cyprus' exceptional weather and Mediterranean lifestyle. Cyprus is the sunniest country in Europe with over 340 days of sun annually and is one of the safest European countries to live in. An EU member state since 2004, Cyprus' strategic location and international connections have also established it as a regional travel and business hub.